

# AMT<sup>2</sup>

## *Increasing the intensity of innovation; 5K and the New Manufacturing Revolution*

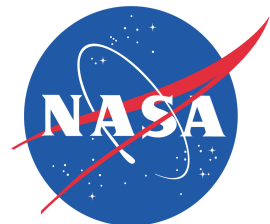
- 1) \$5K and the New Manufacturing Revolution: the main goal of AMT<sup>2</sup> is to provide a small injection to spark lean and highly innovative development. Imagine if you only needed \$5K more to create or augment the next “killer” technology.
- 2) Adopted from the KSC KickStart Program which is “an innovation maturation program geared towards increasing exposure to ideas.” AMT<sup>2</sup> will follow a similar model for manufacturing specific efforts.
- 3) Out of the box maker thinking that results in a demonstrable new technology product or a new process shown through the making of a product.
- 4) These efforts could potentially lead to technologies within Space Technology Mission Directorate’s Game Changing Development Program (GCDP) that could be further developed into seedlings, formulations, and implementations over time.

POC Contact:

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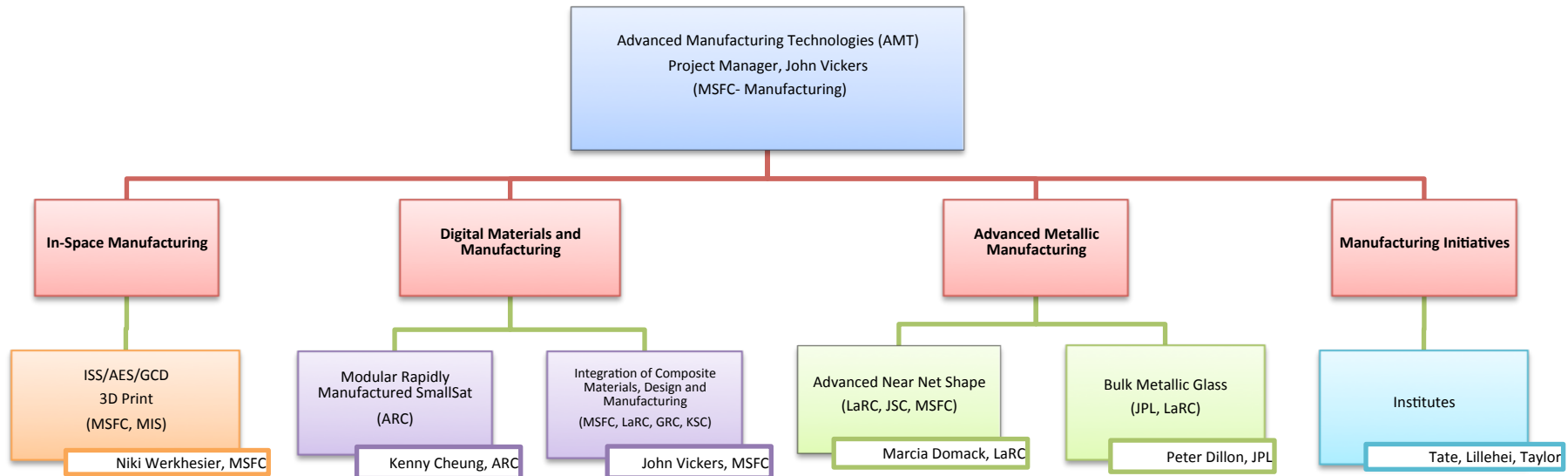
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# Rules of Engagement

- Submissions can not be a technology that is currently being developed within AMT (AMT Content attached). Innovators should consider the theme areas in the red boxes (page 3) as overarching areas to propose, but innovative concepts are NOT required to fall within these areas.
- Efforts must result in a measurable product that points to a success or failure. Or, alternatively a clear demonstration of innovative process improvement.
- TRL 3 or higher will be considered. Success would be to mature the TRL at least one step while delivering a tangible product or process improvement at completion.
- GCDP will ONLY provide the \$5K procurement; no FTE or any other resources.
- Period of Performance can not exceed 6 months. All submissions must have a CS lead. Funding can only be used for materials and/or equipment. Deliverable should be a tangible product or process improvement.
- **STMD/GCDP encourages the use of these funds on efforts that utilize center innovation hubs/maker labs. Integrated systems are also highly encouraged.**
- INNOVATION PAPERS are welcomed at anytime throughout the fiscal year and a page that describes the technical approach and execution is encouraged.
- All INNOVATION PAPERS must be cleared by the Center Chief Technologist or their Designee. (INCLUDING FTE COVERAGE AND HUB/MAKER Lab USE)
- **Approved INNOVATION PAPERS should be emailed to [hq-stmdgcd-AMT@mail.nasa.gov](mailto:hq-stmdgcd-AMT@mail.nasa.gov)**

# Advanced Manufacturing Technologies (AMT)



Reflects efforts that have been approved by GCDP and STMD for FY 14 funding as of May 24, 2013

**NOTE: The technology areas in the lower boxes are currently funded thus the proposed topics can not address these; innovators should consider the theme areas in the red boxes as overarching areas to propose, but innovative concepts are NOT required to fall within these areas. Other areas to consider: additive manufacturing, composites, ceramics, nanomanufacturing.**



STMD- Game Changing Development Program

<http://www.nasa.gov/spacetech>

<http://gameon.nasa.gov/>

